



PRODUCT SAFETY DATA SHEET

1. Identification of the Substance/Preparation & Supplier.

Product Name: ECOSCRUB
Product Type: Hard Surface Cleaner
Supplier: Fleetfield Chemical Co. Ltd, Unit 1 Norfolk Bridge Court, Warren St.
Sheffield S4 7WT
Emergency Information: Emergency phone number (Office hours only): 0114 2738999
Fax no: 0114 2738666

2. Hazards Identification.

Xi Irritant

Information pertaining to particular dangers for man and environment:

R36/38: Irritating to Eyes and Skin

Classification system:

The health and environmental hazards of this preparation have been assessed by the conventional method described in annex II and III of the preparations Directive 1999/45 EC.

3. Composition/Information on Ingredients.

Dangerous components:

Hazardous component:	Cas No.	Index	Risk Phrases:	Concentration:
Surfactant		Xi	R36/38	<10%
Surfactant		Xn	R22	<10%
Limonene		X1	R38	<10%

Additional Information: For the wording of the listed risk phrases refer to section 16.

4. First Aid Measures.

Eye Contact: Flush with plenty of clean water for at least 15 minutes. If irritation persists obtain medical attention.

Skin Contact: Wash off with water. Remove contaminated clothing.

Inhalation: In the event of discomforting effects due to over-exposure to spray mists move to fresh air. If effects persist, obtain medical attention.

Ingestion: Rinse mouth with water. Milk or water to drink may be beneficial. **Do not** induce vomiting without medical advice.

5. Fire Fighting Measures:

Suitable Extinguishing Media: Foam, Dry Powder, Co2, Halon, fine water spray suitable.

Unsuitable Extinguishing Media for Reasons of Safety: None

Special Hazards caused by the material, its products of combustion or flue gases: Not normally combustible.

Protective Equipment: Fire fighters should wear self-contained breathing apparatus.

6. Accidental Release Measures.

Personal safety precautions: Wear protective equipment. Keep unprotected persons away. Use protective clothing, chemical eye goggles and PVC or rubber gloves.

Measures for environmental protection: Inform authorities in case of contamination of water or sewage system. Do not allow product to soak into drains or water courses.

Methods for cleaning/collecting: Small spills may be washed away with water, avoid splashing. May be neutralised using dilute alkali or soda. Large spills should be contained by sand or earth and neutralised prior to washing away or absorption and disposal. Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

7. Handling and Storage.

Handling: Avoid contact with skin and eyes. Observe good standards of industrial hygiene.

Information for safe handling: Keep in tightly closed containers. Take note of emission threshold.

Storage:

Requirements to be met by storerooms and containers: Store between 10-35°C. Protect from frost.

Information about storage in a common storage facility: Do not store in extremes of temperature or near foodstuffs.

Specific Uses: To be used as a descaler/cleaner.

8. Exposure Controls/Personal Protection.

Exposure limit values:

WEL's not listed for individual components.

Occupational exposure controls:

Respiratory Protection: In the event of significant exposure, wear self contained breathing apparatus.

Eyes: Chemical eye goggles should be worn. Eye baths should be provided.

Hand: PVC or rubber gloves are recommended.

Skin: Use protective clothing, minimise splashing. Remove contaminated clothing and wash with soap and water.

Environmental exposure controls:

Dispose only in accordance with Local Authority regulations, via authorised waste disposal agent.

9. Physical and Chemical Properties.

Appearance:	Amber Liquid
Odour:	Citrus
pH Neat:	1.5 typical
pH @ 5% in tap water:	1.5-2.5 typical
Boiling Point:	100°C
Flammability:	Non-Flammable
Water Solubility:	Totally soluble
Specific Gravity @ 20°C:	1.050 typical

10. Stability and Reactivity.

Conditions to Avoid: Naked flames, hot surfaces, other high temperature sources.

Materials to Avoid: Reaction with bleach may liberate toxic fumes of Chlorine gas.

Hazardous Decomposition: Attacks many metals, liberating highly flammable Hydrogen gas which can form an explosive mixture with air. Product is stable under normal conditions.

11. Toxicological Information.

Eyes: Classified as an eye irritant. Contact with the eyes may give rise to irritation and stinging. No permanent damage if treated immediately.

Skin: Classified as a skin irritant. Exposure to the skin may give rise to irritation. Prolonged and persistent contact may lead to dermatitis through skin de-fatting.

Inhalation: Unlikely to present any significant hazard at ambient temperature. Excessive exposure to mists caused by atomising systems may cause irritation to eyes and respiratory tract.

Ingestion: Not regarded as a significant health hazard, likely to arise in normal use. Ingestion of large quantities could cause nausea, breathing difficulties and acidosis convulsions and collapse.

12. Ecological Information.

Eco-toxicity: Water based acidic material. If bulk material disposal is not neutralised, toxic effects for fish & bacterium may start below pH 6, increasing with lower pH. This product is an acidic substance and a nutrient for undesirable algae. It could cause severe local damage to flora and fauna.

Mobility: The product should not be allowed to enter drains or watercourses or be deposited where it can affect ground or surface waters. Avoid transfer into the environment.

Persistence and Degradability: The surfactant(s) contained in this preparation complies (comply) with the Biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents, (or are undergoing testing to obtain a derogation within the terms of the directive). Data to support this assertion are held at the disposal of the Competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

Bio-accumulative Potential: Not expected to bio-accumulate.

13. Disposal Recommendations.

Treat as for spillages. Neutralise with careful addition of Soda Ash. Product should be disposed of via an authorised waste disposal contractor in accordance with all local and national regulations.

Dispose of empty containers in accordance with local and national regulations.

Advice can be obtained from the Waste Regulation Authority whether special waste regulations apply to this product.

14. Transport Information.

Product is not classified as hazardous for transport.

15. Regulatory Information.

Designation according to EC guidelines:

The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (CHIP).

Hazard Symbol:

Classification:	Xi	Irritant
Risk Phrases:	R36/38:	Irritating to eyes and skin
Safety Phrases:	S2:	Keep out of reach of children
	S26:	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice
	S37:	Wear suitable gloves
	S24/25:	Avoid contact with skin and eyes

National Regulations:**Regulations which may apply in event of accident:****Control of Major Accident Hazards (COMAH)**

Critical quantity values according to the regulations on accidents should be adhered to.

16. Other Information.

Do not mix with other chemicals.

The information provided in this data sheet has been compiled in accordance with the requirements of the Chemicals (Hazard information and packaging) Regulations 2009 (CHIP 4).

This data sheet does not constitute an assessment of the workplace risks as required under the provisions of the Health & Safety at Work act and the Control of Substances Hazardous to Health (COSHH).

R - Phrases relevant to the products hazardous ingredients:

R34:	Causes burns
R36/38:	Irritating to the eyes and skin
R52/53:	Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Training Advice: Users should be trained in good industrial hygiene practise.

Recommended Restrictions on Use:

Department issuing data specification sheet: Health and Safety Department

Contact: Tel 0114 2738999, E-Mail: fleetfield@btconnect.com

* Date compared to the previous version altered.

Legal Disclaimer:

The information supplied above is based upon the present state of our knowledge of the product at the time of publication. It is given in good faith and no warranty is implied with respect to the specification or quality of the product. The user must satisfy himself that the product is entirely suitable for his purpose.